



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

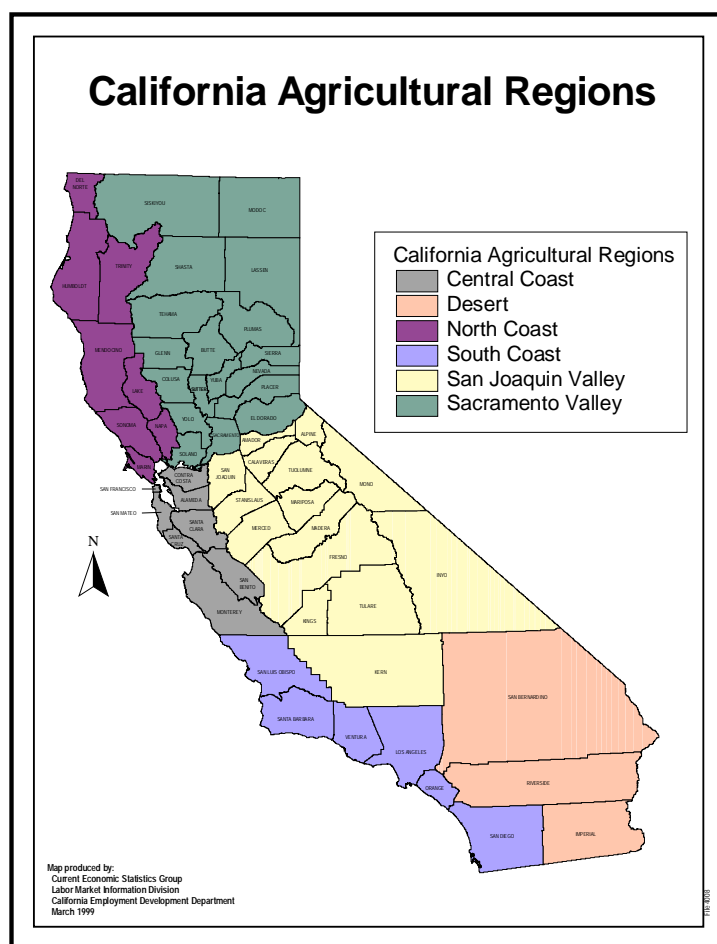
May 2000  
(Internet Version)

### Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

**LMID**  
Labor Market Information Division  
"Your Information Source"

## Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

## Summary

### Employment

California agricultural employment for the month of May 2000 increased by 67,200 jobs over the previous month, a gain of 19 percent. Total Agricultural Production, from April 2000 to May 2000, registered an increase of 20,200 jobs, a gain of nine percent. Agricultural Services registered an increase of 47,000 jobs, for a gain of 36 percent. It is normal for both Agricultural Production and Agricultural Services to show increases for the month of May. The change in California agricultural employment from April 1999 to May 1999 was an increase of 66,400 jobs.

For the month of May 2000, Farm Labor Contractors, again, registered the largest change in the number of jobs with an increase of 38,200. In Agricultural Production, General Farm Crops registered the largest increase in jobs with a gain of 9,400. A significant increase was also seen in Grapes where 8,800 jobs were added. The largest decrease was registered in Vegetables and Melons with a decline of 4,000 workers. Cotton showed a significant decrease, also, with a decline of 3,100 jobs. Employment in Agricultural Production and Agricultural Services increased in all regions except the Sacramento Valley where a decrease of 500 jobs was registered in Agricultural Production.

### Production and Crop Activity

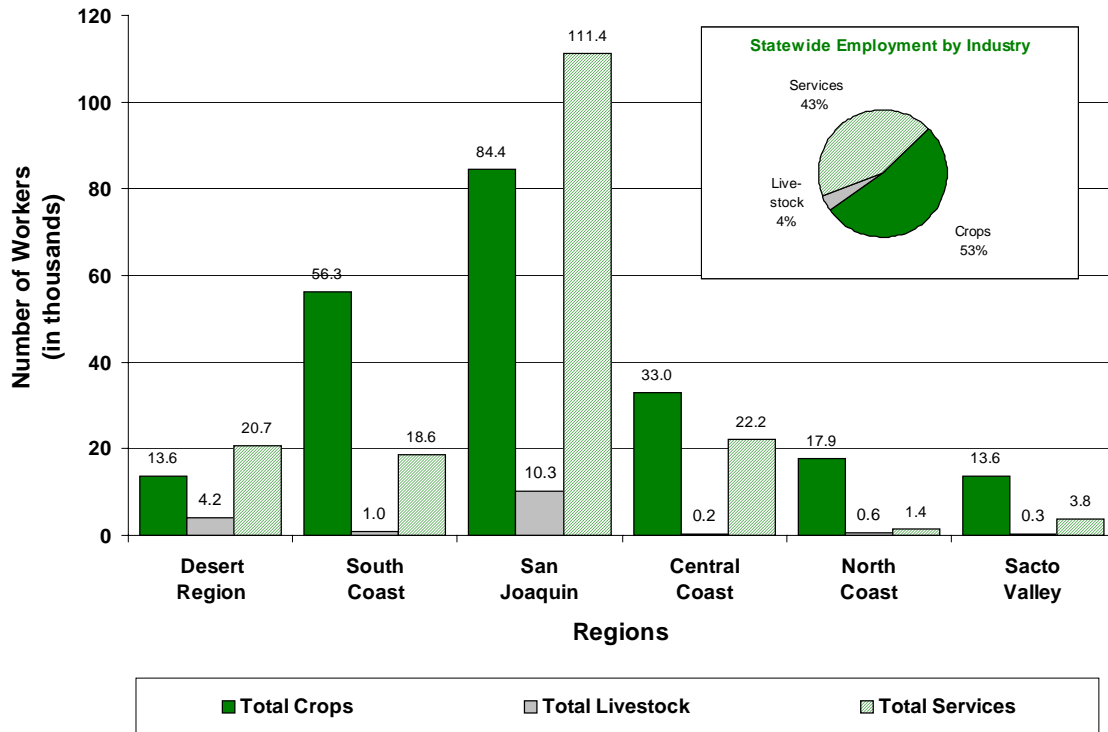
Field activities progressed normally under favorable weather conditions during most of the month of May. Rain at mid-month affected the cutting of oat hay in some areas. In other areas oat and wheat fields were cut for hay and silage. Corn was planted in harvested grain fields. Alfalfa fields were treated to control aphids, weevils, and weeds. Herbicides were applied to control water grasses in early-planted rice fields. Some fields were treated for weevils. Safflower and sunflower planting continued and tomato transplants were planted. Onion, garlic, and sugarbeet fields were irrigated. Aerial seeding of rice continued and aerial applications of herbicide began. Planting continued for melons, peppers, okra, beans, squash, eggplant, and sweet corn. Sugarbeets and sudan grass were harvested. Vegetables harvested during the month included artichokes, basil, broccoli, carrots, cabbage, cauliflower, cilantro, cucumbers, English peas, fava and green beans, greens, lettuce, mushrooms, okra, onions, parsley, radishes, squash, sweet corn, turnips, and zucchini.

Weed control, fungicide applications, and irrigation activities continued in vineyards and orchards. Growers applied sulfur to grapevines for mildew control. Apricots, plums, peaches, and nectarines were harvested. Later ripening varieties were thinned. The harvest of table grapes began in the Coachella Valley. Grapefruit and lemon picking was active in southern California. Valencia oranges were picked in the desert area and San Joaquin Valley. Strawberry picking was active in the central valley.

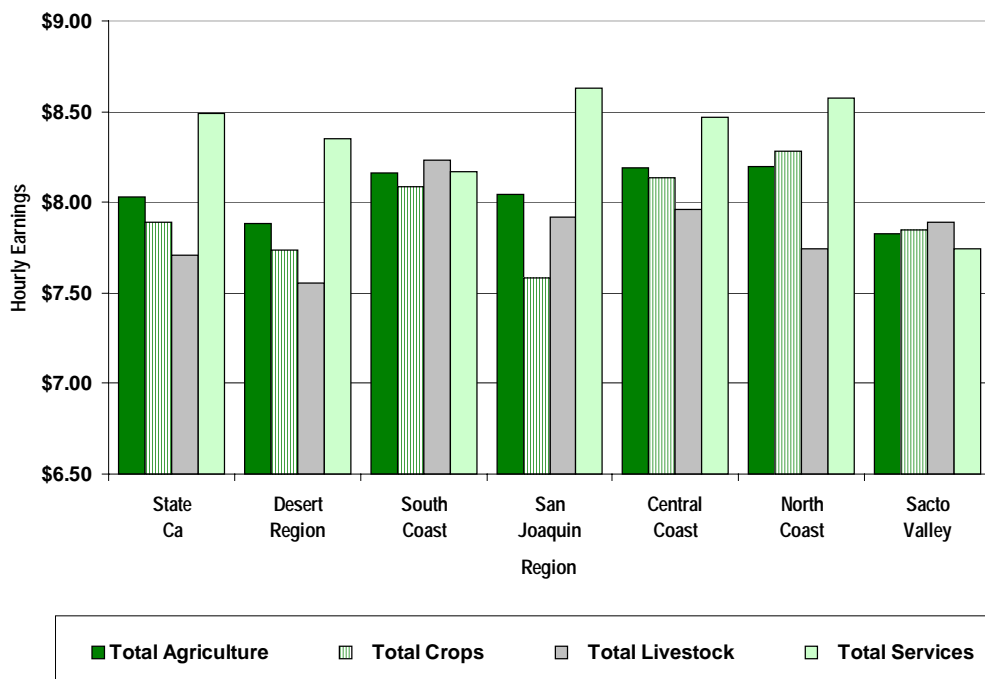
Cattle were shipped from rangeland to market or to summer pastures. Beehives were moved into seed alfalfa and melon fields.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>413.5</b>	<b>346.3</b>	<b>420.2</b>
<b>Total Agricultural Production/Crops</b>	<b>218.8</b>	<b>198.8</b>	<b>211.1</b>
Cash Grains	3.9	5.3	2.6
Rice	2.1	3.9	1.4
Other Cash Grains	1.8	1.4	1.2
Field Crops Except Grains	14.6	16.4	12.7
Cotton	4.3	7.4	6.7
Other Field Crops	10.3	9.0	6.0
Vegetables and Melons	41.0	45.0	35.4
Total Fruits and Tree Nuts	92.5	76.1	98.0
Berries	22.6	21.8	28.0
Grapes	32.3	23.5	38.2
Tree Nuts	6.5	7.4	7.1
Citrus Fruits	6.5	2.7	4.6
Deciduous Tree Fruit	11.4	9.1	12.3
Other Fruits & Nuts	13.2	11.6	7.8
Total Horticultural Specialties	34.6	33.2	35.4
Ornamental Floral & Nursery	33.3	31.9	32.1
Food Crops Grown Under Cover	1.3	1.3	3.3
General Farm Primarily Crop	32.2	22.8	27.0
<b>Agricultural Production/Livestock</b>	<b>16.6</b>	<b>16.4</b>	<b>27.2</b>
Beef Cattle Feed Lots	0.7	1.5	0.7
Beef Cattle Except Feed Lots	0.8	2.1	3.2
Dairy Farms	10.9	8.5	15.7
Chicken Eggs	1.7	0.5	2.3
Turkey & Turkey Eggs	0.1	0.2	0.9
Other Livestock	2.4	3.6	4.4
<b>Total Agricultural Services</b>	<b>178.1</b>	<b>131.1</b>	<b>181.9</b>
Soil Preparation Services	1.5	1.0	2.1
Crop Services	41.4	36.9	48.6
Plant Cultivate & Protection	7.3	3.8	8.0
Harvest Primarily by Machine	5.4	6.6	7.6
Preparation Services for Market	28.3	26.0	32.3
Cotton Ginning	0.4	0.5	0.7
Total Farm Labor & Management	135.2	93.2	131.2
Farm Labor Contractors	124.8	86.6	125.5
Farm Management Services	10.4	6.6	5.7

## Average Hourly Earnings (In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>8.03</b>	<b>8.05</b>	<b>8.09</b>
<b>Total Agricultural Production/Crops</b>	<b>7.89</b>	<b>7.97</b>	<b>7.92</b>
Cash Grains	8.02	8.20	7.86
Rice	8.11	8.32	8.01
Other Cash Grains	7.92	8.08	7.70
Field Crops Except Grains	7.78	8.17	7.80
Cotton	7.55	8.12	7.58
Other Field Crops	8.01	8.22	8.03
Vegetables and Melons	7.84	7.94	8.06
Total Fruits and Tree Nuts	7.74	7.69	7.78
Berries	7.92	7.60	8.23
Grapes	7.53	7.56	7.73
Tree Nuts	7.56	7.65	7.56
Citrus Fruits	7.70	7.74	8.07
Deciduous Tree Fruit	7.61	7.46	7.15
Other Fruits & Nuts	8.10	8.14	7.96
Total Horticultural Specialties	8.07	7.93	8.20
Ornamental Floral & Nursery	7.86	7.77	8.41
Food Crops Grown Under Cover	8.28	8.08	7.98
General Farm Primarily Crop	7.91	7.88	7.81
<b>Agricultural Production/Livestock</b>	<b>7.71</b>	<b>7.81</b>	<b>7.79</b>
Beef Cattle Feed Lots	7.71	7.61	8.45
Beef Cattle Except Feed Lots	8.12	8.27	8.06
Dairy Farms	8.16	8.03	8.79
Chicken Eggs	6.66	7.15	6.44
Turkey & Turkey Eggs	7.75	7.76	6.71
Other Livestock	7.84	8.04	8.29
<b>Total Agricultural Services</b>	<b>8.49</b>	<b>8.36</b>	<b>8.55</b>
Soil Preparation Services	8.68	8.60	9.08
Crop Services	8.64	8.57	8.85
Plant Cultivate & Protection	8.28	8.43	8.61
Harvest Primarily by Machine	8.79	8.38	8.68
Preparation Services for Market	8.01	7.80	7.90
Cotton Ginning	9.49	9.66	10.19
Total Farm Labor & Management	8.14	7.93	7.72
Farm Labor Contractors	7.78	7.66	7.27
Farm Management Services	8.50	8.19	8.18

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>55.4</b>	<b>52.3</b>	<b>66.8</b>
<b>Total Agricultural Production/Crops</b>	<b>33.0</b>	<b>31.3</b>	<b>39.1</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	2.7	1.7	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	2.7	1.7	0.2
Vegetables and Melons	7.8	10.8	15.0
Total Fruits and Tree Nuts	10.2	8.4	12.5
Berries	8.1	5.4	10.5
Grapes	0.0	0.1	1.2
Tree Nuts	1.0	0.7	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.2	0.5
Other Fruits & Nuts	0.9	2.0	0.1
Total Horticultural Specialties	10.5	9.9	9.0
Ornamental Floral & Nursery	10.5	9.9	6.9
Food Crops Grown Under Cover	0.0	0.0	2.1
General Farm Primarily Crop	1.8	0.5	2.4
<b>Agricultural Production/Livestock</b>	<b>0.2</b>	<b>0.2</b>	<b>0.9</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.2	0.2	0.3
<b>Total Agricultural Services</b>	<b>22.2</b>	<b>20.8</b>	<b>26.8</b>
Soil Preparation Services	0.7	0.1	1.0
Crop Services	7.4	8.7	10.3
Plant Cultivate & Protection	0.0	0.0	0.7
Harvest Primarily by Machine	3.1	1.9	2.2
Preparation Services for Market	4.3	6.8	7.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	14.1	12.0	15.5
Farm Labor Contractors	12.2	11.0	14.5
Farm Management Services	1.9	1.0	1.0

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>8.19</b>	<b>8.08</b>	<b>8.15</b>
<b>Total Agricultural Production/Crops</b>	<b>8.13</b>	<b>7.95</b>	<b>8.06</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	7.84	8.12	8.23
Cotton	na	na	na
Other Field Crops	7.84	8.12	8.23
Vegetables and Melons	8.01	7.99	8.22
Total Fruits and Tree Nuts	8.24	7.98	8.12
Berries	8.58	7.59	7.97
Grapes	na	7.98	7.40
Tree Nuts	7.87	7.79	7.77
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.14	7.98	8.02
Other Fruits & Nuts	8.37	8.56	9.42
Total Horticultural Specialties	8.47	7.56	8.37
Ornamental Floral & Nursery	8.47	7.56	8.24
Food Crops Grown Under Cover	na	na	8.49
General Farm Primarily Crop	8.11	8.09	7.38
<b>Agricultural Production/Livestock</b>	<b>7.96</b>	<b>8.02</b>	<b>7.55</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	7.48
Dairy Farms	na	na	8.85
Chicken Eggs	na	na	6.27
Turkey & Turkey Eggs	na	na	6.99
Other Livestock	7.96	8.02	8.15
<b>Total Agricultural Services</b>	<b>8.47</b>	<b>8.27</b>	<b>8.85</b>
Soil Preparation Services	8.20	8.25	9.51
Crop Services	8.88	8.43	8.88
Plant Cultivate & Protection	na	na	8.71
Harvest Primarily by Machine	9.09	8.59	9.18
Preparation Services for Market	8.66	8.26	8.75
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.33	8.12	8.15
Farm Labor Contractors	7.87	7.78	6.95
Farm Management Services	8.78	8.46	9.35

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>38.5</b>	<b>22.9</b>	<b>43.9</b>
<b>Total Agricultural Production/Crops</b>	<b>13.6</b>	<b>10.9</b>	<b>16.0</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.7	1.7	1.8
Cotton	0.0	0.0	0.0
Other Field Crops	1.7	1.7	1.8
Vegetables and Melons	2.9	2.7	3.6
Total Fruits and Tree Nuts	4.0	2.4	6.5
Berries	0.0	0.0	0.2
Grapes	1.4	1.3	4.0
Tree Nuts	0.2	0.0	0.1
Citrus Fruits	1.6	0.6	0.9
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	0.8	0.5	1.2
Total Horticultural Specialties	1.9	1.5	1.4
Ornamental Floral & Nursery	1.6	1.2	1.3
Food Crops Grown Under Cover	0.3	0.3	0.1
General Farm Primarily Crop	3.1	2.6	2.6
<b>Agricultural Production/Livestock</b>	<b>4.2</b>	<b>1.1</b>	<b>5.4</b>
Beef Cattle Feed Lots	0.0	0.0	0.3
Beef Cattle Except Feed Lots	0.1	0.0	0.5
Dairy Farms	2.7	0.8	2.8
Chicken Eggs	1.0	0.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.3	0.6
<b>Total Agricultural Services</b>	<b>20.7</b>	<b>10.9</b>	<b>22.5</b>
Soil Preparation Services	0.2	0.0	0.2
Crop Services	4.4	3.9	7.5
Plant Cultivate & Protection	0.3	0.7	1.5
Harvest Primarily by Machine	0.0	0.0	1.4
Preparation Services for Market	4.1	3.1	4.5
Cotton Ginning	0.0	0.1	0.1
Total Farm Labor & Management	16.1	7.0	14.8
Farm Labor Contractors	15.9	6.6	13.7
Farm Management Services	0.2	0.4	1.1

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>7.88</b>	<b>7.95</b>	<b>8.10</b>
<b>Total Agricultural Production/Crops</b>	<b>7.73</b>	<b>7.67</b>	<b>7.71</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	7.48
Field Crops Except Grains	7.88	7.96	7.93
Cotton	na	na	na
Other Field Crops	7.88	7.96	7.93
Vegetables and Melons	7.39	7.74	6.93
Total Fruits and Tree Nuts	7.51	7.48	7.57
Berries	na	na	7.91
Grapes	7.25	7.11	7.33
Tree Nuts	6.73	na	7.00
Citrus Fruits	7.49	7.25	7.44
Deciduous Tree Fruit	na	na	7.15
Other Fruits & Nuts	8.58	8.08	8.58
Total Horticultural Specialties	8.08	7.64	8.25
Ornamental Floral & Nursery	7.68	7.44	8.49
Food Crops Grown Under Cover	8.47	7.83	8.00
General Farm Primarily Crop	7.81	7.54	7.90
<b>Agricultural Production/Livestock</b>	<b>7.56</b>	<b>7.81</b>	<b>8.19</b>
Beef Cattle Feed Lots	na	na	7.25
Beef Cattle Except Feed Lots	7.76	na	8.54
Dairy Farms	8.24	8.02	9.71
Chicken Eggs	6.55	na	6.93
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.68	7.59	8.50
<b>Total Agricultural Services</b>	<b>8.35</b>	<b>8.37</b>	<b>8.41</b>
Soil Preparation Services	8.42	na	9.70
Crop Services	8.39	8.57	7.93
Plant Cultivate & Protection	8.14	8.25	8.89
Harvest Primarily by Machine	na	na	7.92
Preparation Services for Market	7.66	8.07	6.98
Cotton Ginning	9.36	9.38	na
Total Farm Labor & Management	8.25	8.18	7.60
Farm Labor Contractors	8.47	8.17	8.08
Farm Management Services	8.03	8.18	7.11

# NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>19.9</b>	<b>15.1</b>	<b>16.1</b>
<b>Total Agricultural Production/Crops</b>	<b>17.9</b>	<b>13.0</b>	<b>11.9</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	8.2	6.5	0.2
Total Fruits and Tree Nuts	8.8	5.8	9.5
Berries	0.0	0.0	0.0
Grapes	7.6	4.7	8.5
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.3	0.8
Other Fruits & Nuts	1.1	0.8	0.1
Total Horticultural Specialties	0.8	0.6	1.9
Ornamental Floral & Nursery	0.8	0.6	1.7
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.1	0.1	0.3
<b>Agricultural Production/Livestock</b>	<b>0.6</b>	<b>1.6</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.1	0.7	0.2
Dairy Farms	0.4	0.3	1.0
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.6	0.3
<b>Total Agricultural Services</b>	<b>1.4</b>	<b>0.5</b>	<b>2.5</b>
Soil Preparation Services	0.1	0.1	0.1
Crop Services	0.0	0.0	0.1
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.3	0.4	2.3
Farm Labor Contractors	0.7	0.0	0.6
Farm Management Services	0.6	0.4	1.7

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>8.20</b>	<b>8.29</b>	<b>8.67</b>
<b>Total Agricultural Production/Crops</b>	<b>8.28</b>	<b>8.24</b>	<b>8.70</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.44	8.67	9.86
Total Fruits and Tree Nuts	8.48	8.01	7.76
Berries	na	na	na
Grapes	8.75	7.99	8.70
Tree Nuts	na	na	7.56
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.67	7.79	7.15
Other Fruits & Nuts	8.03	8.25	7.63
Total Horticultural Specialties	8.12	8.26	8.29
Ornamental Floral & Nursery	8.12	8.26	8.53
Food Crops Grown Under Cover	na	na	8.05
General Farm Primarily Crop	8.07	8.01	8.90
<b>Agricultural Production/Livestock</b>	<b>7.74</b>	<b>7.98</b>	<b>8.12</b>
Beef Cattle Feed Lots	na	na	9.47
Beef Cattle Except Feed Lots	8.09	8.22	7.83
Dairy Farms	7.63	7.41	8.14
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	7.12
Other Livestock	7.50	8.32	8.04
<b>Total Agricultural Services</b>	<b>8.58</b>	<b>8.64</b>	<b>9.18</b>
Soil Preparation Services	8.70	8.78	9.99
Crop Services	na	na	8.55
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.55
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.45	8.50	8.99
Farm Labor Contractors	7.88	na	8.31
Farm Management Services	9.02	8.50	9.66

na = not available

# SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>75.9</b>	<b>69.9</b>	<b>71.8</b>
<b>Total Agricultural Production/Crops</b>	<b>56.3</b>	<b>55.8</b>	<b>51.9</b>
Cash Grains	0.1	0.5	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.5	0.2
Field Crops Except Grains	0.7	1.5	0.1
Cotton	0.0	0.0	0.1
Other Field Crops	0.7	1.5	0.1
Vegetables and Melons	13.2	11.0	8.4
Total Fruits and Tree Nuts	23.8	24.8	22.3
Berries	13.6	16.1	17.1
Grapes	2.4	1.4	1.6
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	2.8	1.7	1.6
Deciduous Tree Fruit	0.1	0.0	0.2
Other Fruits & Nuts	4.9	5.6	1.7
Total Horticultural Specialties	14.1	13.5	16.9
Ornamental Floral & Nursery	13.4	12.8	16.1
Food Crops Grown Under Cover	0.7	0.7	0.8
General Farm Primarily Crop	4.4	4.5	4.0
<b>Agricultural Production/Livestock</b>	<b>1.0</b>	<b>1.3</b>	<b>2.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.5	0.4
Dairy Farms	0.4	0.5	0.2
Chicken Eggs	0.0	0.0	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.3	1.0
<b>Total Agricultural Services</b>	<b>18.6</b>	<b>12.8</b>	<b>17.9</b>
Soil Preparation Services	0.2	0.2	0.1
Crop Services	0.4	1.9	3.7
Plant Cultivate & Protection	0.0	0.0	0.6
Harvest Primarily by Machine	0.0	1.6	1.1
Preparation Services for Market	0.4	0.3	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	18.0	10.7	14.1
Farm Labor Contractors	14.4	8.9	12.9
Farm Management Services	3.6	1.8	1.2

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>8.16</b>	<b>8.26</b>	<b>8.05</b>
<b>Total Agricultural Production/Crops</b>	<b>8.09</b>	<b>8.16</b>	<b>8.01</b>
Cash Grains	8.25	8.28	7.89
Rice	na	na	na
Other Cash Grains	8.25	8.28	7.89
Field Crops Except Grains	8.38	8.34	7.85
Cotton	na	na	7.48
Other Field Crops	8.38	8.34	8.21
Vegetables and Melons	7.75	8.03	8.18
Total Fruits and Tree Nuts	7.79	7.97	8.05
Berries	7.81	7.71	8.70
Grapes	7.76	7.55	8.71
Tree Nuts	na	na	7.56
Citrus Fruits	8.45	8.24	8.29
Deciduous Tree Fruit	6.77	na	6.90
Other Fruits & Nuts	8.17	8.36	8.14
Total Horticultural Specialties	8.03	8.28	8.28
Ornamental Floral & Nursery	7.45	7.91	8.40
Food Crops Grown Under Cover	8.61	8.65	8.15
General Farm Primarily Crop	8.33	8.08	7.79
<b>Agricultural Production/Livestock</b>	<b>8.23</b>	<b>8.45</b>	<b>8.28</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.41	8.72	8.63
Dairy Farms	8.38	8.54	8.49
Chicken Eggs	na	na	5.88
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.90	8.10	10.10
<b>Total Agricultural Services</b>	<b>8.17</b>	<b>8.16</b>	<b>7.88</b>
Soil Preparation Services	8.97	8.73	7.87
Crop Services	7.66	7.92	8.07
Plant Cultivate & Protection	na	na	8.49
Harvest Primarily by Machine	na	8.41	7.75
Preparation Services for Market	7.66	7.42	7.96
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.88	7.85	7.72
Farm Labor Contractors	7.95	7.94	7.41
Farm Management Services	7.80	7.75	8.02

na = not available

# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>206.1</b>	<b>166.4</b>	<b>206.7</b>
<b>Total Agricultural Production/Crops</b>	<b>84.4</b>	<b>73.7</b>	<b>82.2</b>
Cash Grains	1.5	1.1	0.7
Rice	1.2	1.0	0.1
Other Cash Grains	0.3	0.1	0.6
Field Crops Except Grains	8.8	10.5	9.8
Cotton	4.3	7.4	6.6
Other Field Crops	4.5	3.1	3.2
Vegetables and Melons	7.9	13.3	7.3
Total Fruits and Tree Nuts	41.2	29.0	43.9
Berries	0.9	0.3	0.2
Grapes	19.3	15.1	22.1
Tree Nuts	4.5	4.4	5.1
Citrus Fruits	2.1	0.4	2.1
Deciduous Tree Fruit	9.9	7.1	9.9
Other Fruits & Nuts	4.5	1.7	4.5
Total Horticultural Specialties	5.6	6.7	5.1
Ornamental Floral & Nursery	5.3	6.4	5.1
Food Crops Grown Under Cover	0.3	0.3	0.1
General Farm Primarily Crop	19.4	13.1	15.4
<b>Agricultural Production/Livestock</b>	<b>10.3</b>	<b>10.4</b>	<b>16.0</b>
Beef Cattle Feed Lots	0.7	1.5	0.3
Beef Cattle Except Feed Lots	0.4	0.7	1.4
Dairy Farms	7.3	6.7	11.2
Chicken Eggs	0.7	0.5	0.6
Turkey & Turkey Eggs	0.1	0.2	0.7
Other Livestock	1.1	0.8	1.8
<b>Total Agricultural Services</b>	<b>111.4</b>	<b>82.3</b>	<b>108.5</b>
Soil Preparation Services	0.3	0.6	0.7
Crop Services	27.9	20.5	25.6
Plant Cultivate & Protection	6.8	2.8	4.6
Harvest Primarily by Machine	2.0	2.9	2.7
Preparation Services for Market	18.7	14.4	17.7
Cotton Ginning	0.4	0.4	0.6
Total Farm Labor & Management	83.2	61.2	82.2
Farm Labor Contractors	79.1	58.2	81.8
Farm Management Services	4.1	3.0	0.4

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>8.04</b>	<b>7.98</b>	<b>7.68</b>
<b>Total Agricultural Production/Crops</b>	<b>7.58</b>	<b>7.75</b>	<b>7.52</b>
Cash Grains	7.72	7.86	7.78
Rice	8.09	7.85	7.85
Other Cash Grains	7.34	7.87	7.70
Field Crops Except Grains	7.70	8.13	7.62
Cotton	7.55	8.12	7.67
Other Field Crops	7.85	8.13	7.56
Vegetables and Melons	7.82	7.66	7.22
Total Fruits and Tree Nuts	7.21	7.47	7.45
Berries	7.36	7.50	8.34
Grapes	6.47	7.09	6.36
Tree Nuts	7.68	7.77	7.45
Citrus Fruits	7.17	7.73	8.47
Deciduous Tree Fruit	6.82	6.76	6.75
Other Fruits & Nuts	7.73	7.94	7.35
Total Horticultural Specialties	7.64	7.60	8.02
Ornamental Floral & Nursery	7.64	7.42	8.82
Food Crops Grown Under Cover	7.75	7.77	7.22
General Farm Primarily Crop	7.41	7.77	7.06
<b>Agricultural Production/Livestock</b>	<b>7.92</b>	<b>7.90</b>	<b>7.50</b>
Beef Cattle Feed Lots	7.71	7.61	8.63
Beef Cattle Except Feed Lots	8.55	8.22	7.44
Dairy Farms	8.49	8.26	8.74
Chicken Eggs	6.76	7.15	6.66
Turkey & Turkey Eggs	7.75	7.76	6.03
Other Livestock	8.23	8.39	7.51
<b>Total Agricultural Services</b>	<b>8.63</b>	<b>8.29</b>	<b>8.03</b>
Soil Preparation Services	9.12	8.62	8.35
Crop Services	8.66	8.52	8.57
Plant Cultivate & Protection	8.44	8.60	7.79
Harvest Primarily by Machine	9.09	8.23	8.95
Preparation Services for Market	7.48	7.30	7.33
Cotton Ginning	9.62	9.94	10.19
Total Farm Labor & Management	8.11	7.72	7.17
Farm Labor Contractors	7.35	7.36	6.40
Farm Management Services	8.87	8.08	7.93

na = not available

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>17.7</b>	<b>19.7</b>	<b>14.7</b>
<b>Total Agricultural Production/Crops</b>	<b>13.6</b>	<b>14.1</b>	<b>9.8</b>
Cash Grains	2.3	3.7	1.6
Rice	0.9	2.9	1.3
Other Cash Grains	1.4	0.8	0.3
Field Crops Except Grains	0.7	1.0	0.7
Cotton	0.0	0.0	0.0
Other Field Crops	0.7	1.0	0.7
Vegetables and Melons	1.0	0.7	0.9
Total Fruits and Tree Nuts	4.5	5.7	3.3
Berries	0.0	0.0	0.0
Grapes	1.6	0.9	0.8
Tree Nuts	0.8	2.3	1.5
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.1	1.5	0.8
Other Fruits & Nuts	1.0	1.0	0.2
Total Horticultural Specialties	1.7	1.0	1.0
Ornamental Floral & Nursery	1.7	1.0	1.0
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	3.4	2.0	2.3
<b>Agricultural Production/Livestock</b>	<b>0.3</b>	<b>1.8</b>	<b>1.2</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.2	0.4
Dairy Farms	0.1	0.2	0.4
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.1	1.4	0.4
<b>Total Agricultural Services</b>	<b>3.8</b>	<b>3.8</b>	<b>3.7</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	1.3	1.9	1.4
Plant Cultivate & Protection	0.2	0.3	0.6
Harvest Primarily by Machine	0.3	0.2	0.2
Preparation Services for Market	0.8	1.4	0.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.5	1.9	2.3
Farm Labor Contractors	2.5	1.9	2.0
Farm Management Services	0.0	0.0	0.3

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	May 2000	Apr 2000	May 1999
<b>Total Agriculture</b>	<b>7.83</b>	<b>7.84</b>	<b>7.97</b>
<b>Total Agricultural Production/Crops</b>	<b>7.85</b>	<b>7.98</b>	<b>7.90</b>
Cash Grains	8.15	8.43	7.96
Rice	8.13	8.78	8.17
Other Cash Grains	8.17	8.08	7.74
Field Crops Except Grains	8.09	8.57	8.24
Cotton	na	na	na
Other Field Crops	8.09	8.57	8.24
Vegetables and Melons	7.65	7.55	7.97
Total Fruits and Tree Nuts	7.69	7.50	7.38
Berries	na	na	na
Grapes	7.44	7.65	7.88
Tree Nuts	7.94	7.40	8.03
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.64	7.29	6.95
Other Fruits & Nuts	7.73	7.65	6.65
Total Horticultural Specialties	7.81	8.03	7.98
Ornamental Floral & Nursery	7.81	8.03	7.98
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	7.70	7.78	7.85
<b>Agricultural Production/Livestock</b>	<b>7.89</b>	<b>7.89</b>	<b>8.21</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.80	7.91	8.43
Dairy Farms	8.08	7.93	8.79
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.79	7.82	7.42
<b>Total Agricultural Services</b>	<b>7.74</b>	<b>7.64</b>	<b>7.80</b>
Soil Preparation Services	na	na	na
Crop Services	8.34	8.23	8.87
Plant Cultivate & Protection	8.26	8.45	9.19
Harvest Primarily by Machine	8.19	8.29	9.60
Preparation Services for Market	8.57	7.94	7.83
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.14	7.06	6.73
Farm Labor Contractors	7.14	7.06	6.46
Farm Management Services	na	na	7.00

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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